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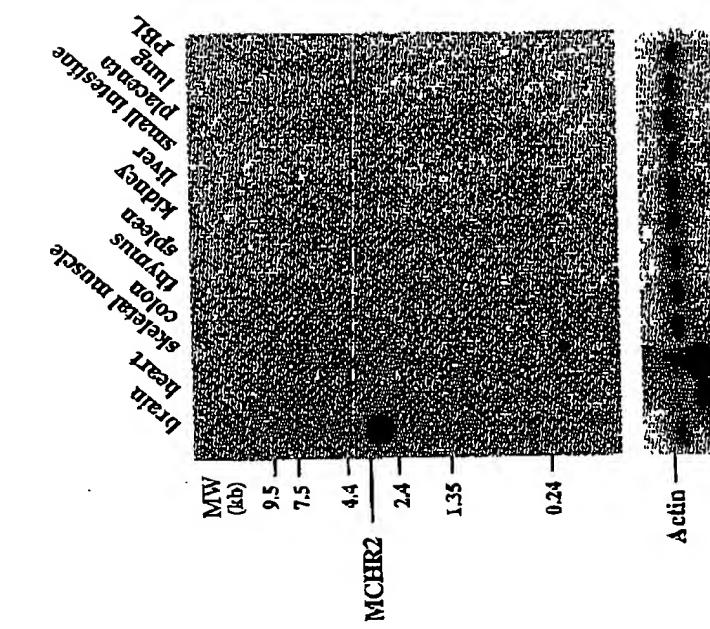
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FIGURE 1

FIGURE 2A

FIGURE 2B



Frontal lobe
temporal lobe
occipital lobe
pons
thalamus
cortexus callosum
hippocampal gyrus
postcentral gyrus
anterior thala-

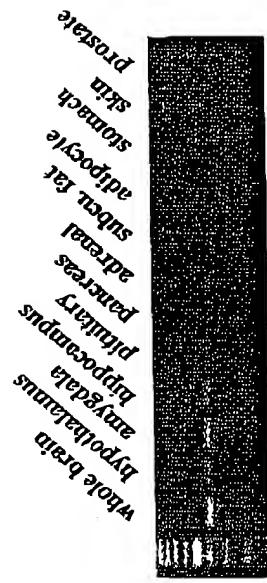
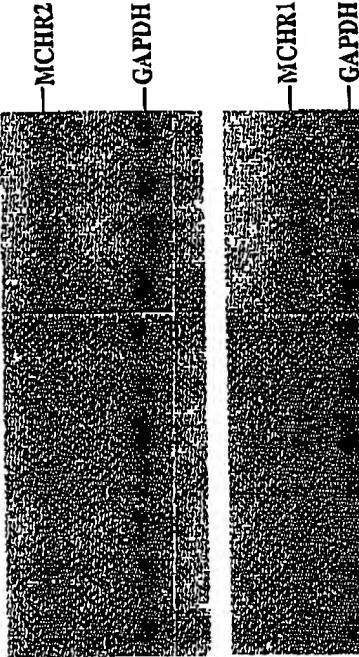


FIGURE 2 C

FIGURE 3A

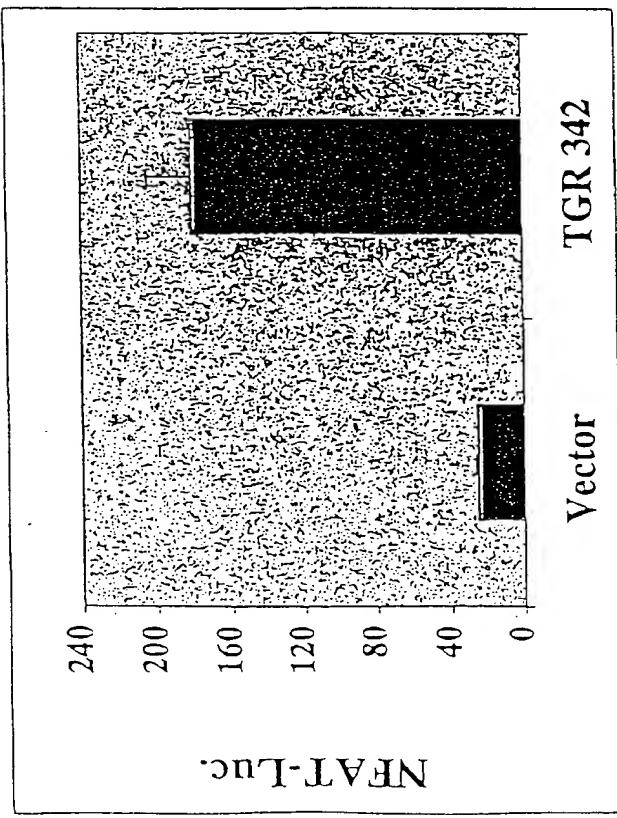
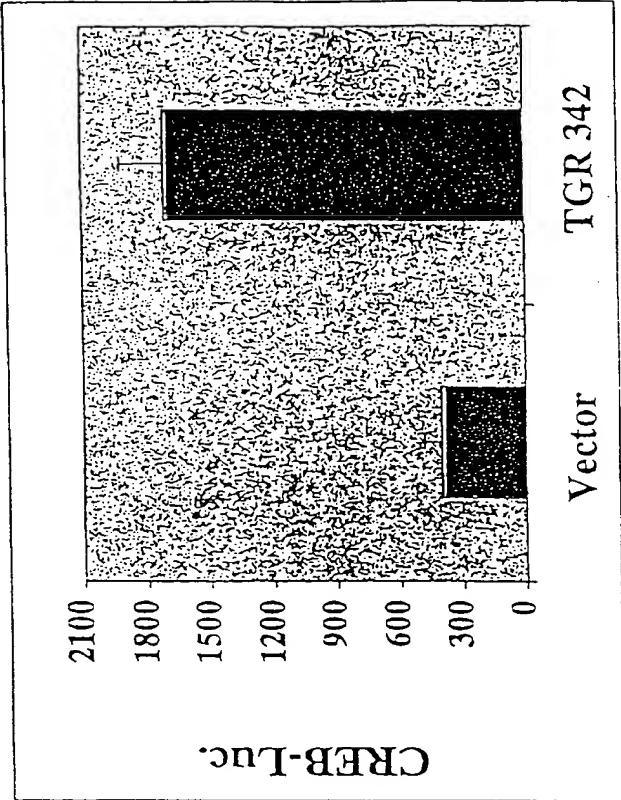


FIGURE 3B



- MCH causes similar dose-dependent stimulation of Ca^{2+} in cells transfected with either MCHR1 or MCHR2 constructs:

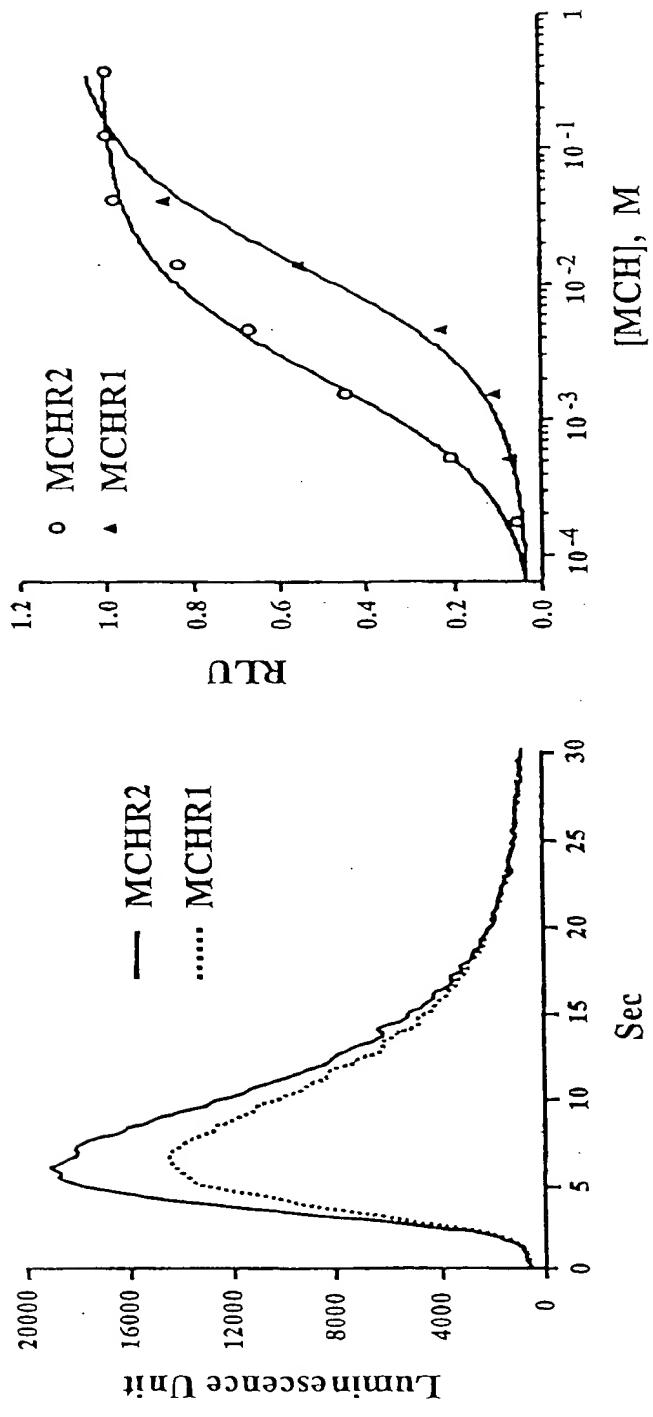


FIGURE 4A

FIGURE 4B

FIGURE 5

→ MCHR2 binds MCH specifically

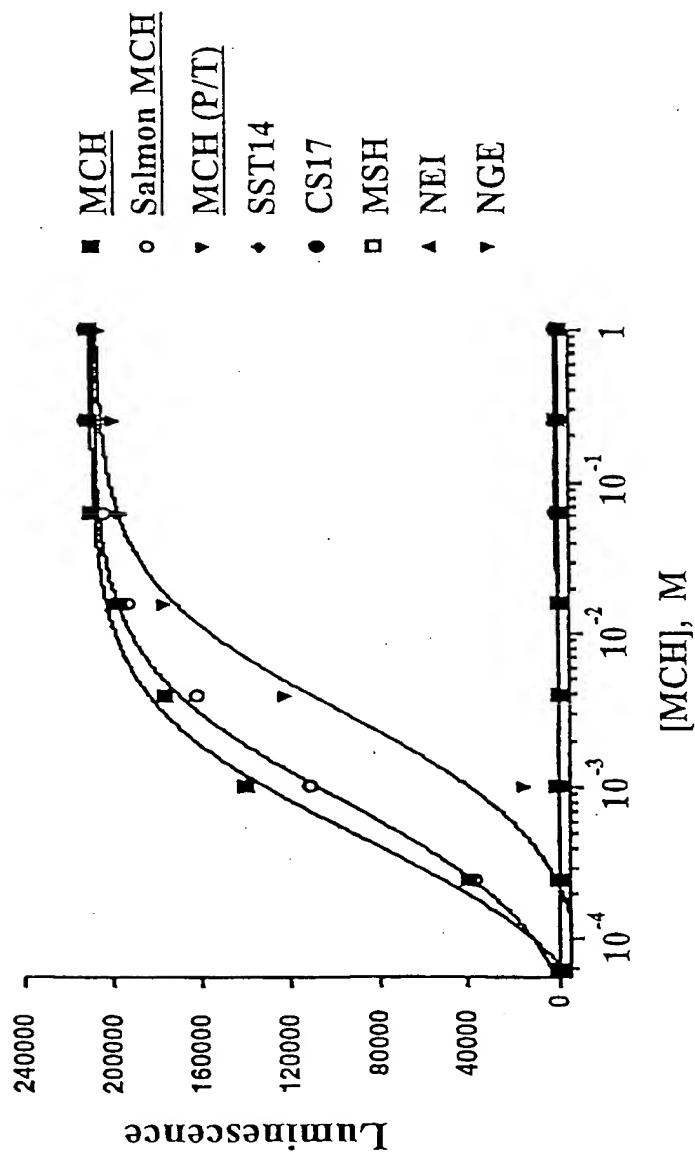


Figure 6

FIGURE 6

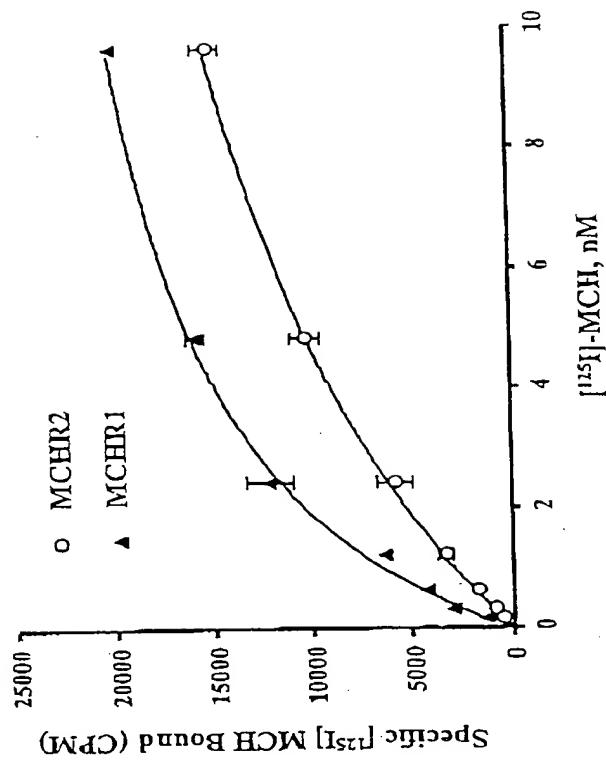


FIGURE 7

PTX \square LPA = Gi signaling

➤ Pertussis Toxin (PTX) specifically inhibits Gi signaling

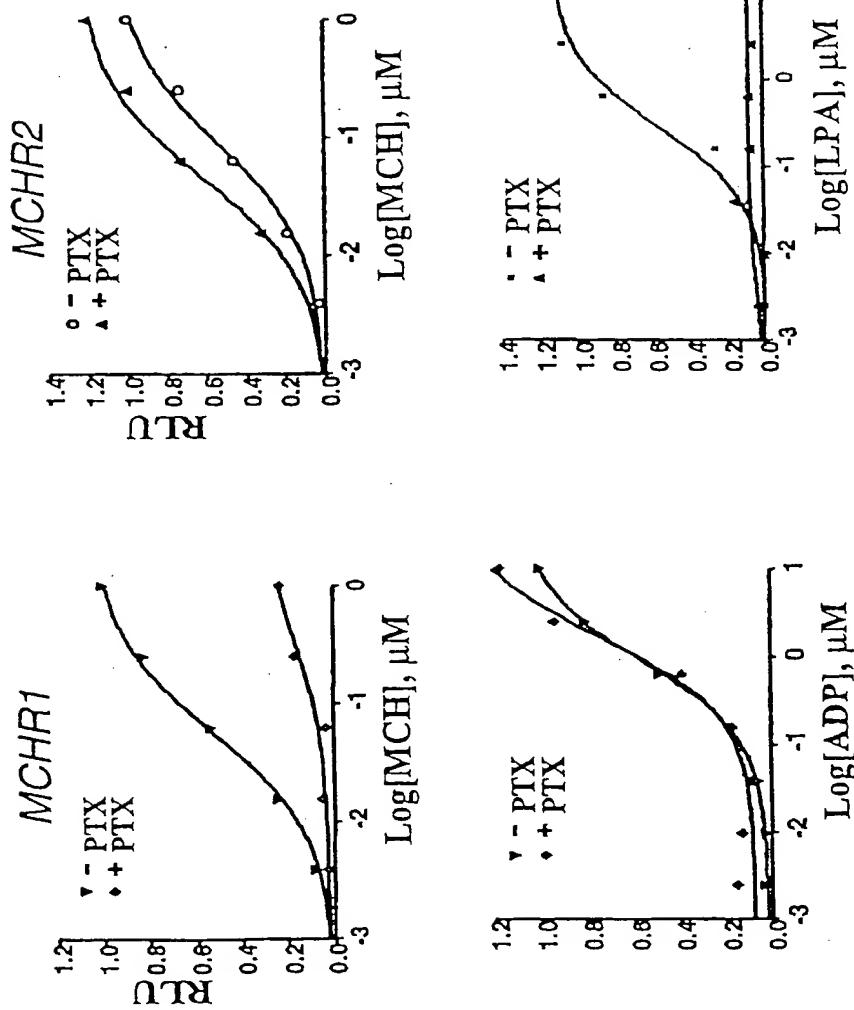


FIGURE 8

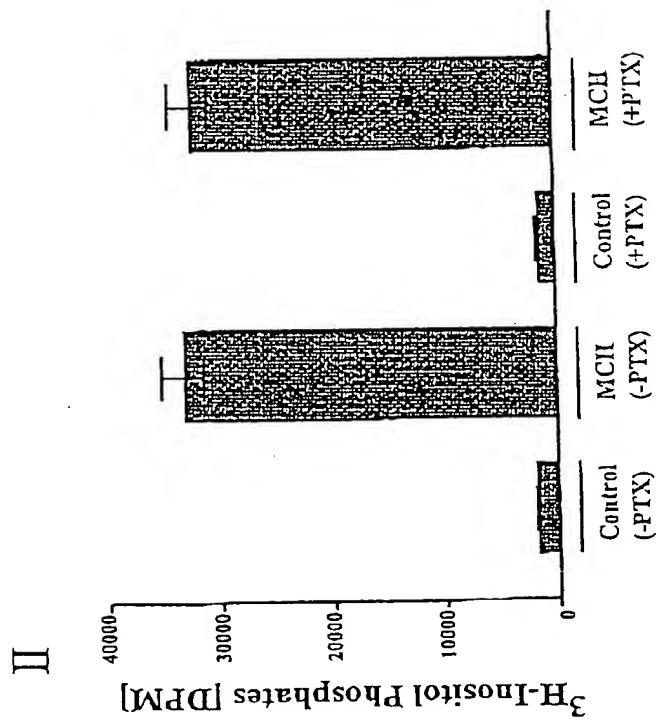
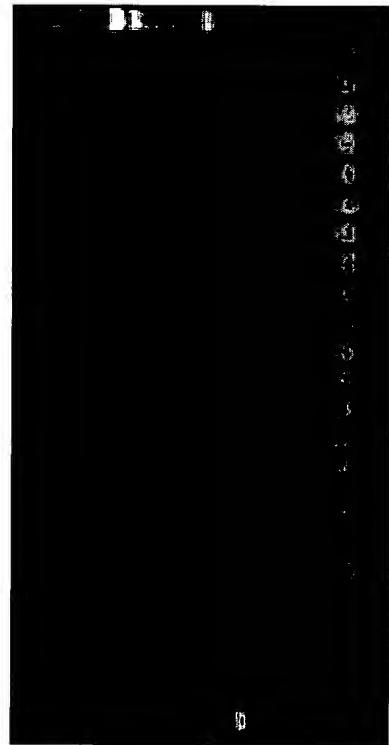


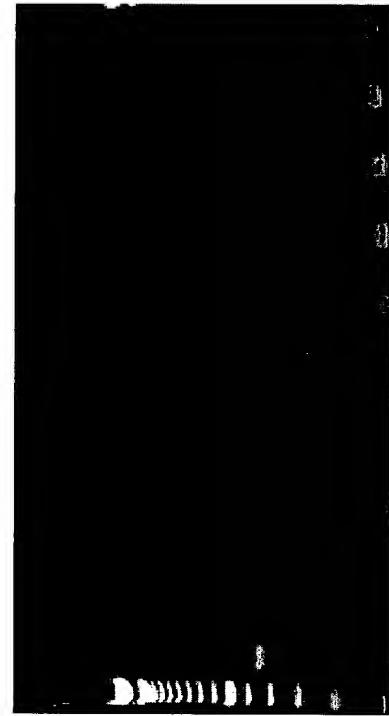
FIG. 9A



Hypothalamus

1. Hypothalamus
2. Whole Brain
3. Hippocampus
4. Pituitary Gland
5. Amygdala
6. Adipocyte
7. Pancreas
8. Adrenal Gland
9. Stomach
10. Small Intestine
11. Liver
12. Skeletal Muscle
13. Heart
14. Kidney
15. Placenta
16. Universal
17. Lung
18. Thymus
19. Spleen
20. Skin
21. Prostate
22. Colon
23. Subcutaneous Fat
24. Genomic DNA
1. Retina
2. Leukemia, promyelocytic
3. XG prostatic adenocarcinoma
4. XG ovarian carcinoma
5. XG renal carcinoma
6. Leukemia, lymphoblastic
7. Colorectal adenocarcinoma
8. XG melanoma
9. Lymphoma, Raji
10. Fetal brain
11. Hela
12. XG Lymphoma, Daudi
13. XG Lung carcinoma
14. Leukemia, myelogenous
15. XG mammary carcinoma
16. XG colon adenocarcinoma
17. XG glioblastoma
18. genomic

FIG. 9B



Retina

1. Retina
2. Leukemia, promyelocytic
3. XG prostatic adenocarcinoma
4. XG ovarian carcinoma
5. XG renal carcinoma
6. Leukemia, lymphoblastic
7. Colorectal adenocarcinoma
8. XG melanoma
9. Lymphoma, Raji
10. Fetal brain
11. Hela
12. XG Lymphoma, Daudi
13. XG Lung carcinoma
14. Leukemia, myelogenous
15. XG mammary carcinoma
16. XG colon adenocarcinoma
17. XG glioblastoma
18. genomic

FIGURE 10A

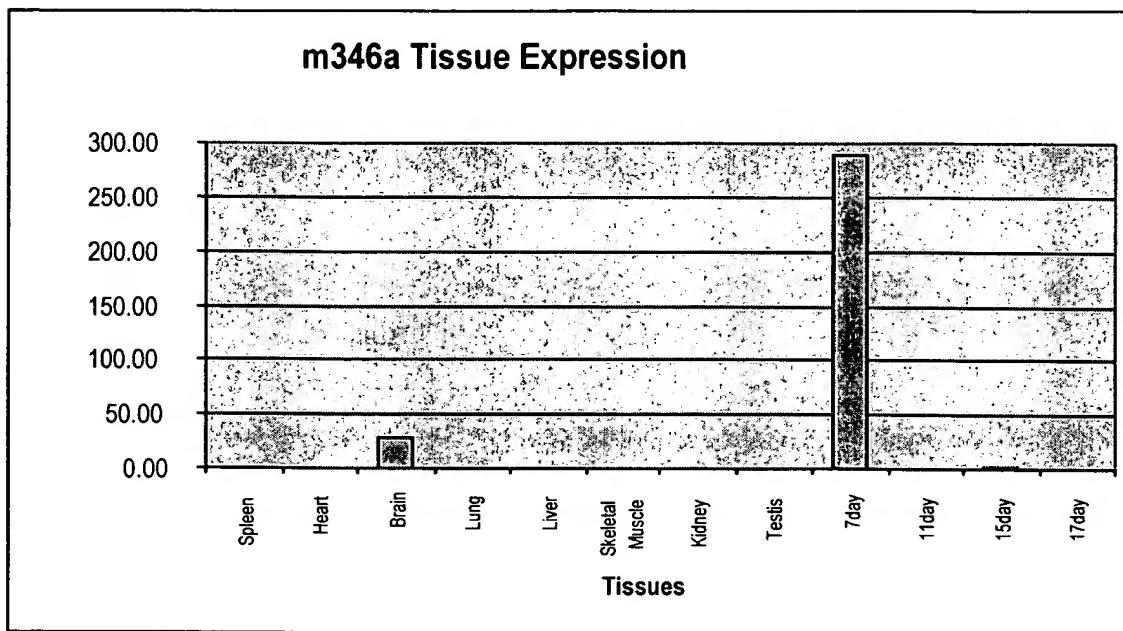


FIGURE 10B

